

Aero Design Ltd.

Work Order Control Sheet

Work Order#: 2017-93 Date Opened: 31 May 2017 Title: Machining

Aircraft OEM: Bell Aircraft Model: 206L/407 Product Type: Fwd Fitting Product Model: N/A Quantity: 25/18

Work Order Contents

	Initial or N/A
Work Order/Build Sheets (Procedures Provided)	N/A
Additional Work Sheets (Standard Practice)	N/A
Drawings (See List Below)	JC
Parts Distribution Sheet	JC
Sub Component Tags	N/A
Completed Certification (Original)	N/A
Time Sheet (R&D)	N/A
Notes	N/A

Build Sheet Contents

	Initial or N/A
Tasks Initialled	N/A
Dual Inspections Initialled	N/A

Drawing List

Drawing #	Rev #	Description	Initial or N/A
49311	4A	Fwd Fitting (206L)	JC
60621	2A	Fwd Fitting (407)	JC

Traveller

Initial or N/A

Component Completion

	As Instructed
Quantity Complete on This Work Order	17/25
Quantity Incomplete on This Work Order	N/A
Further Processing Required Before Release	N/A
Release to Stock as Components	N/A

Certification

	Initial or N/A
Form One Completed	JC
Serviceable (Green) Tag Completed	N/A
In Process (Yellow) Tag Completed	JC
Unserviceable (Red) Tag Completed	N/A
Parts Tracking (White) Tag Completed	JR
Parts Placed in Stores for Distribution	N/A

Additional Documentation

	Initial or N/A
Documentation of a minor change	N/A
Non-Conformance Report Required	N/A
Service Difficulty Report Required	N/A

Billing

	Initial or N/A
Local (Aero Design)	JC
Research and Development	N/A
Third Party	N/A

Work performed by:

Print: J. Clarke

Sign: [Signature]

SCA: AD02

Date: 28-Aug-17

ICC / Dual Inspection preformed by:

Print: J. Rekve

Sign: [Signature]

SCA: AD01

Date: 29-Aug-17

Work Order closed by:

Print: J. Clarke

Sign: [Signature]

SCA: AD02

Date: 14-Sep-17

Approved Manufacturing Facility 73-04

Form 20.D.03

Rev. Original 23 Sep 2014



Aero Design Ltd.

9888 A Malaspina Rd. Powell River, BC, V8A 0G3

Phone: 604-483-2376 Fax: 604-483-2372 E-mail: info@aerodesign.ca

AMF 73-04

Nomenclature: FORWARD FITTING (407) No. of pieces: 425 pc.

Manufacturer: AERO DESIGN LTD.

Part No.: 60621-01

Serial/Batch No.: P015024 / 16023

TTSN: N/A

TSO: N/A

Rem.: N/A

Work Order No.: 2017-93

Remaining Tasks to be Performed: INSPECT ✓, ANODIZE ✓, PAINT

Signature: [Signature]

Date: 15 Aug 2017

Lic. No. / SCA AD002

In Process



Aero Design Ltd.

9888 A Malaspina Rd. Powell River, BC, V8A 0G3

Phone: 604-483-2376 Fax: 604-483-2372 E-mail: info@aerodesign.ca

AMF 73-04

In Process

Remarks

2 sent to paint for Carrier Lumber 15 Aug 17 OK
23 sent for anodizing OK 29 Aug 17
23 Rcd from Anodizing JC 14 Sept 2017



Aero Design Ltd.

9888 A Malaspina Rd., Powell River, BC
V8A 0G3, 604-483-AERO (2376)

Quantity:	1	
PN:	60621-01	
Aircraft:	Bell	Model: 407
Description:	Fwd Fitting	
Supplier:	Aero Design Ltd	
Color:	N/A	
WO#:	2017-93	PO# N/A

49300-01 BARRIET NOT 2015-123
MS16625-4075 RETAINER RING 15086



29 MAR 2019

WO# 2017-93

Approved Manufacturing Facility 73-04

Form 20.F.06

Rev. Original 27 May 2013

WO# 2017-93

[illegible]

49320-01 BARREL NUT 2015-123

MS16625-4075 RETAINER RING 15086



Aero Design Ltd.

9888 A Malaspina Rd., Powell River, BC
V8A 0G3, 604-483-AERO (2376)

Quantity:

1

PN:

60621-01

Aircraft:

Bell

Model: 407

Description:

Fwd Fitting

Supplier:

Aero Design Ltd

Color:

N/A

WO#:

2017-93

PO# N/A

49320-01 BHKREL NUT 2015-123
MS76625-4075 RETAINER RING 15056



Aero Design Ltd.

9888 A Malaspina Rd., Powell River, BC
V8A 0G3, 604-483-AERO (2376)

Quantity:

1

PN:

60621-01

Aircraft:

Bell

Model: 407

Description:

Fwd Fitting

Supplier:

Aero Design Ltd

Color:

N/A

WO#:

2017-93

PO# N/A

A

Description: Bell 206L Fittings

WO#

Approved Manufacturing Facility 73-04

Form 20.F.06

Rev. Original 27 May 2013

A

Description: Bell 206L Fittings

WO# 2017-83

[illegible]

A

WO# 2017-93

Rev. Original 27 May 2013



Aero Design Ltd.

9888 A Malaspina Rd., Powell River, BC
V8A 0G3, 604-483-AERO (2376)

Quantity:

1

PN:

49311-01

Aircraft:

Bell

Model: 206L

Description:

Forward Fitting

Supplier:

Aero Design

Color:

Anodized

WO#:

2017-93

PO# N/A

49320-01 BARREL NUT - 2015-123

MS16625-4075 RETAINER RIM, - 150f6



30 MAY 2018



WO# 2017-53

Approved Manufacturing Facility 73-04

Rev. Original 27 May 2013



Aero Design Ltd.

9888 A Malaspina Rd., Powell River, BC
V8A 0G3, 604-483-AERO (2376)

Quantity:

1

PN:

49311-01

Aircraft:

Bell

Model: 206L

Description:

Forward Fitting

Supplier:

Aero Design

Color:

Anodized

WO#:

2017-93

PO# N/A

49330-01 JAHRAEL NUT 2015-133
MS16625-4075 RETAINER (4N6) 15086



Aero Design Ltd.

9888 A Malaspina Rd., Powell River, BC
V8A 0G3, 604-483-AERO (2376)

Quantity: 1

PN: 49311-01

Aircraft: Bell

Model: 206L

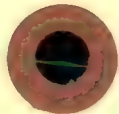
Description: Forward Fitting

Supplier: Aero Design

Color: Anodized

WO#: 2017-93

PO# N/A



49320-01 BARREL NUT 2015-123

~~04579C~~ MS 16625-4075 RETAINER RING 15056



24 MAY 2018

Description: Bell 206L Fittings

WO# 2017-93

Approved Manufacturing Facility 73-04

Form 20.F.06

Rev. Original 27 May 2013



Aero Design Ltd.

9888 A Malaspina Rd. Powell River, BC, V8A 0G3

Phone: 604-483-2376 Fax: 604-483-2372 E-mail: info@aerodesign.ca

AMF 73-04

Nomenclature: FORWARD FITTING (206L/4.1) No. of pieces: 43

Manufacturer: AERO DESIGN LTD

Part No.: 49311-01 / 60621-01 Serial/Batch No.: PD 15024 / 16023

TTSN: N/A TSO: N/A Rem.: N/A

Work Order No.: 2017-93

Remaining Tasks to be Performed: MACHINING, DEBURR, INSPECT, ANODIZE
gc gc gc gc

See new tags

Signature: Jff CCL

Date: 11 AUG 2017 Lic. No. / SCA AD02

In Process



Aero Design Ltd.

9888 A Malaspina Rd. Powell River, BC, V8A 0G3

Phone: 604-483-2376 Fax: 604-483-2372 E-mail: info@aerodesign.ca

AMF 73-04

In Process

Remarks

- 4 Completed ready for paint 15/05/17 JC 49311-01
- 4 Completed ready for paint 15/05/17 JC 60621-01
- 1 49311-01 INCORRECT SETUP - RED TAGGED 18/05/17 JC.
- 13 Completed ready for paint/analyze 22/05/17 JC. 49311-01
- 21 Completed ready for paint/analyze 22/05/17 JC 60621-01



Aero Design Ltd.

9888 A Malaspina Rd. Powell River, BC, V8A 0G3

Phone: 604-483-2376 Fax: 604-483-2372 E-mail: info@aerodesign.ca

AMF 73-04

Nomenclature: FORWARD FITTING (2000) No. of pieces: 89 41790

Manufacturer: AERO DESIGN LTD.

Part No.: 49311-01

Serial/Batch No.: 1015024/16023

TTSN: N/A

TSO: N/A

Rem.: N/A

Work Order No.: 2017-93

Remaining Tasks to be Performed: INSPECT, ANODIZE / PAINT

Signature: [Signature]

Date: 15 AUG 2017

Lic. No. / SCA AD02

In Process



Aero Design Ltd.

9888 A Malaspina Rd. Powell River, BC, V8A 0G3

Phone: 604-483-2376 Fax: 604-483-2372 E-mail: info@aerodesign.ca

AMF 73-04

In Process

Remarks

150K

17 sent for anodizing OK 29 Aug 17

2 painted for Helitactica OK 29 Aug 17

15 Red from Anodizing J. 14 SEPT 2017

18 MAY 2018

Description: Bell 206L Fittings

WO# _____

[illegible]

A

Description: Bell 407 Fittings

WO# _____

Approved Manufacturing Facility 73-04

Form 20.F.06

Rev. Original 27 May 2013



HEUTE EXPRESS
16 APR 2018

Description: Bell 407 Fittings

WO# _____

Approved Manufacturing Facility 73-04

Form 20.F.06

Rev. Original 27 May 2013

05 APR 2018



WO#

Rev. Original 27 May 2013



WO# _____

[illegible]

A

Description: Bell 407 Fittings

WO# _____

Approved Manufacturing Facility 73-04

Form 20.F.06

Rev. Original 27 May 2013

26 MAR 2018



WO# 2017-93

Approved Manufacturing Facility 73-04

Rev. Original 27 May 2013

Aero Design

Parts Distribution Sheet

HILSBORO AVIATION
26 SEPT 2017

Description: Bell 407 Fittings

WO# 2017-93

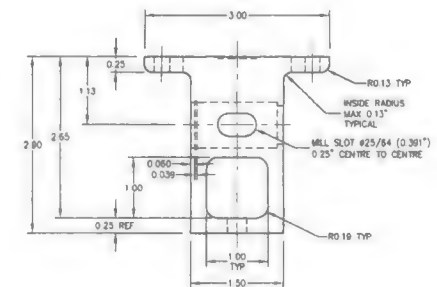
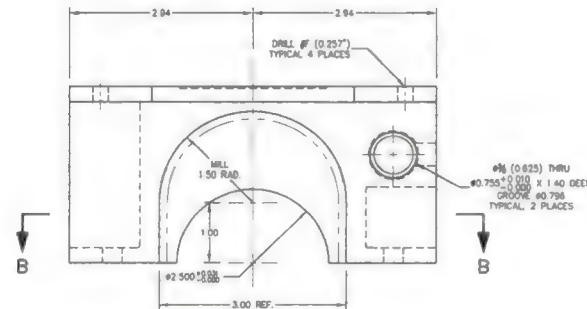
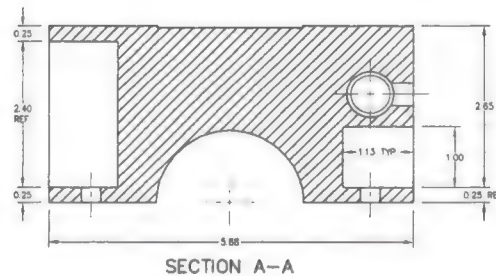
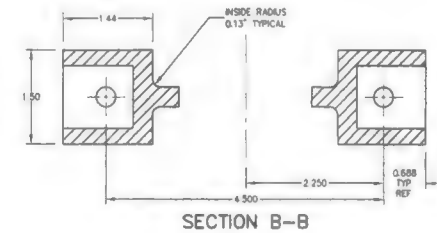
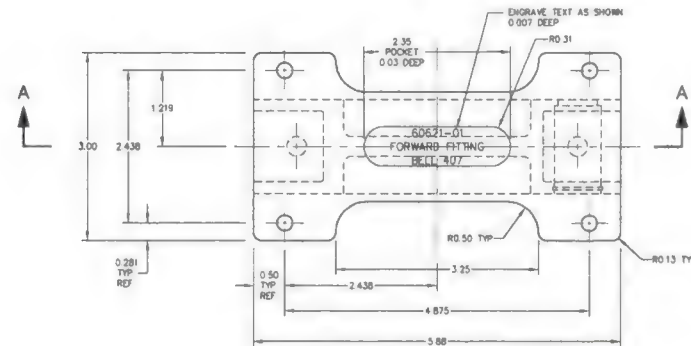
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2017-93

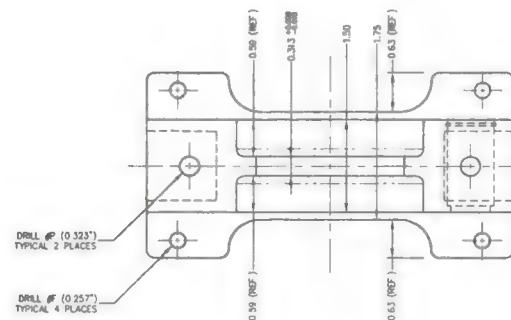
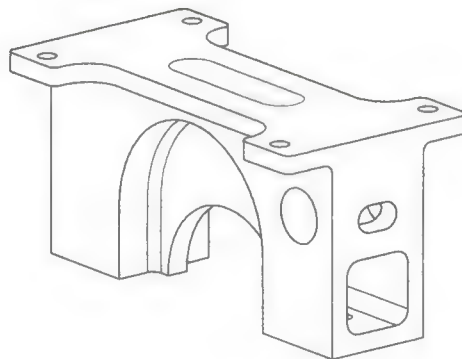
25 x

CHANGE NOTICES IN EFFECT			
THE FOLLOWING CHANGE NOTICES HAVE BEEN INCORPORATED INTO THIS DRAWING. EARLIER EDITIONS OF THIS DRAWING ARE ONLY COMPLETE IF ACCOMPANIED BY SEPARATE SHEETS CONTAINING THESE CHANGE NOTICES.			
CHG	DESCRIPTION OF CHANGE	INITIALS	DATE
A	BARREL HOLE MODIFIED, P/N POCKET AND ENGRAVING ADDED, ANODIZING ADDED	BJC	MAY 07/12

NOTICE			
THIS DRAWING CONTAINS INFORMATION AND DATA WHICH IS PROPRIETARY TO AERO DESIGN LTD. THIS DRAWING, OR ANY PORTION THEREOF, MAY NOT BE REPRODUCED, COPIED, OR DUPLICATED IN ANY MANNER, NOR USED FOR MANUFACTURING, WITHOUT THE WRITTEN CONSENT OF AERO DESIGN LTD. BY ACCEPTING THIS DRAWING FOR REFERENCE, THE RECIPIENT AGREES TO HOLD AERO DESIGN LTD. HARMLESS FROM THE USE, OR MISUSE, OF THIS DRAWING OR THE INFORMATION CONTAINED THEREON.			
REV	DESCRIPTION OF CHANGE	INITIALS	DATE
1	CHANGES TO ACCOMMODATE CNC MACHINING	BJC	3 MAY 2008
2	INCREASE SADDLE DIAMETER TO 2.500	BJC	11 JULY 2008



① FORWARD FITTING



- NOTES
- 1 REMOVE ALL BURRS AND BREAK ALL SHARP EDGES.
 - 2 THOROUGHLY CLEAN, EPOXY PRIME, AND PAINT PART PRIOR TO ASSEMBLY.
ALTERNATE ANODIZE IN ACCORDANCE WITH MIL-A-8625F TYPE II

2	60621-01	01	FORWARD FITTING	6061-1651 ALUMINUM	Q2-A-250/11	3.0" PLATE
	PART NO.	ITEM	DESCRIPTION	MATERIAL	MATERIAL SPEC	STOCK SIZE
QTY			LIST OF MATERIALS			
APPROVALS			DATE			
DRAWN			25 MAR 2004			
CHECKED			E BURCOON			
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES. TOLERANCES ON			BELL 407 EXTERNAL ATTACHMENT PROVISIONS FORWARD FITTING			
DECIMALS ANGLES						
X.XXX ±0.010 ±1/2"						
X.XX ±0.03						
X.X ±0.1			SCALE 1 1 SHEET 1 OF 1			
			A1		60621	
			2		A	

2017-93

18x

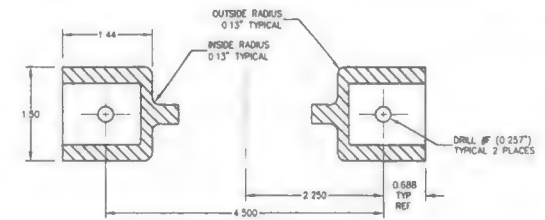
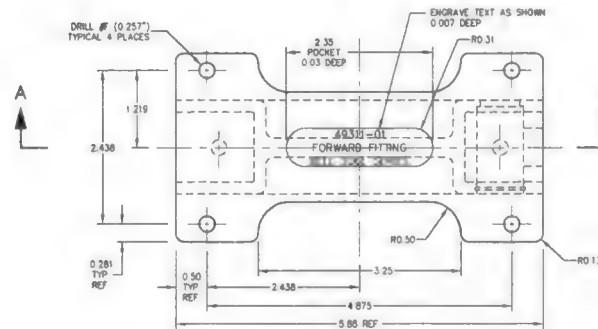
CHANGE NOTICES IN EFFECT

THE FOLLOWING CHANGE NOTICES HAVE BEEN INCORPORATED INTO THIS DRAWING. EARLIER EDITIONS OF THIS DRAWING ARE ONLY COMPLETE IF ACCOMPANIED BY SEPARATE SHEETS CONTAINING THESE CHANGE NOTICES.

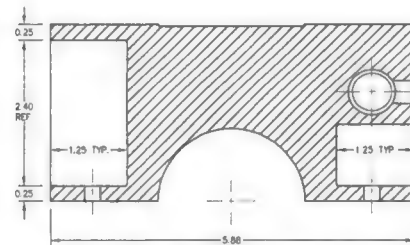
CHG	DESCRIPTION OF CHANGE	INITIALS	DATE
A	BARREL NUT HOLE MODIFIED; P/N POCKET AND ENGRAVING ADDED; ANODIZING ADDED	BJC	MAY 01/02

THIS DRAWING CONTAINS INFORMATION AND DATA WHICH IS PROPRIETARY TO AERO DESIGN LTD. THIS DRAWING OR ANY PORTION THEREOF, MAY NOT BE REPRODUCED, COPIED, OR DUPLICATED IN ANY MANNER, NOR USED FOR MANUFACTURING WITHOUT THE WRITTEN CONSENT OF AERO DESIGN LTD. BY ACCEPTING THIS DRAWING FOR REFERENCE, THE RECIPIENT AGREES TO HOLD AERO DESIGN LTD. HARMLESS FROM THE USE, OR MISUSE, OF THIS DRAWING OR THE INFORMATION CONTAINED THEREIN.

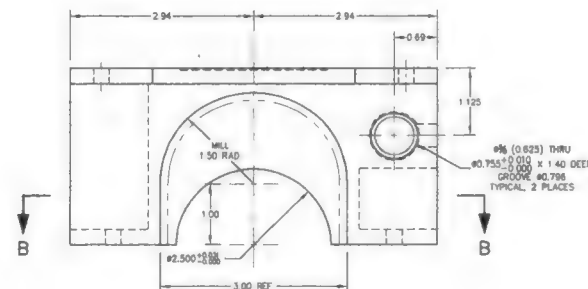
REV	DESCRIPTION OF CHANGE	INITIALS	DATE
1	MANUFACTURING CHANGE: SIDE MOUNTED BARREL-NUT, BEARING DIAMETER INCREASED, FLANGE REDUCED FROM 0.40" TO 0.25" PER ER493.03	STF	JUN 17/02
2	ADDED REFERENCE DIMENSIONS	STF	MAY 03/04
3	MANUFACTURING CHANGES TO ACCOMMODATE CNC MACHINING	BJC	MAY 30/05
4	INCREASED SADDLE DIAMETER FROM 2.437" TO 2.500"	STF	JUL 11/06



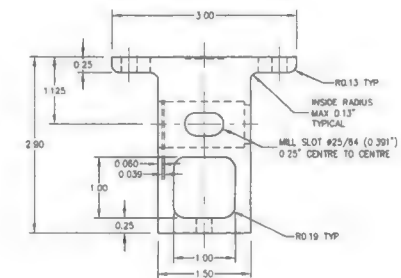
SECTION B-B



SECTION A-A

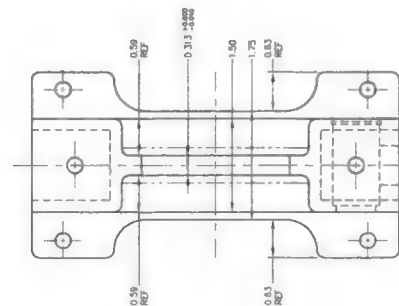
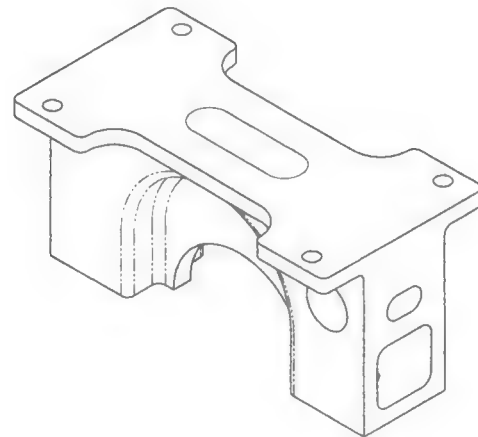


01 FORWARD FITTING



NOTES

- 1 REMOVE ALL BURRS AND BREAK ALL SHARP EDGES
- 2 THOROUGHLY CLEAN, EPOXY PRIME, AND PAINT PART PRIOR TO ASSEMBLY
ALTERNATE ANODIZE IN ACCORDANCE WITH MIL-A-8825F, TYPE II



2	49311-01	01	FORWARD FITTING	6061-T651 ALUMINUM	GO-A-250/11	3.0" PLATE
	PART NO	ITEM	DESCRIPTION	MATERIAL	MATERIAL SPEC	STOCK SIZE
QTY	LIST OF MATERIALS					
APPROVALS			DATE			
DRAWN			STEVEN FANEY APR 24/02			
CHECKED			E. BURGON APR 24/02			
UNLESS OTHERWISE SPECIFIED			DIMENSIONS ARE IN INCHES			
TOLERANCES ON			DECIMALS			
X.XXX			±0.010			
X.XX			±0.03			
X.X			±0.1			
ANGLES			±1/2°			
SCALE 1" = 1"			DWG NO.			
SHEET 1 OF 1			REV			
			A1 49311 4 A			

AERO DESIGN LTD.
CONSULTING ENGINEERS, TRANSPORT CANADA APPROVALS, DAR 290M
2013 - 38TH AVENUE N.E., CALGARY, ALBERTA, CANADA, T2E 6R7
tel: (403) 890-8807 fax: (403) 890-8888 aerodesign@telusplanet.net

BELL 206L SERIES
EXTERNAL ATTACHMENT PROVISIONS
FORWARD FITTING

43 total



WO# 2017-93

Rev. Original 27 May 2013

1. Approving Civil Aviation Authority/Country Transport Canada		2. AUTHORIZED RELEASE CERTIFICATE FORM ONE			3. Form Tracking No. 2017-0347
4. Organization Name and Address AERO Design Ltd. – 9888A Malaspina Road, Powell River, BC, V8A 0G3					5. Work Order/Contract/Invoice WO 2017-93
6. Item 1.	7. Description Forward Fitting	8. Part Number 60621-01	9. Qty. 23	10. Serial/Batch No. N/A	11. Status/Work New
12. Remarks					
13a. Certifies that the items identified above were manufactured in conformity to: <input checked="" type="checkbox"/> Approved design data and are in condition for safe operation. <input type="checkbox"/> Non approved design data specified in block 12.			14a. <input type="checkbox"/> CAR 571.10 Maintenance Release <input type="checkbox"/> Other regulation specified in block 12. Certifies that unless otherwise specified in block 12, the work identified in block 11 and described in block 12, has been performed in compliance with the Canadian Aviation Regulations.		
13b. Signature  AD 73-04 02		13c. Approved Organization Number AMF 73-04		14b. Signature	
13d. Name Jeff Clarke - AD02		13e. Date (dd/mmm/yyyy) 14 Sep 2017		14c. Approved Organization Number	
				14d. Name	
				14e. Date (dd/mmm/yyyy)	
Installer Responsibilities					
This certificate does not constitute authority to install. Installers working in accordance with the national regulations of a country other than that specified in block 1 must ensure that their regulations recognize certifications from the country specified. Statements in blocks 13a or 14a do not constitute installation certification. In all cases, the technical record for the aircraft must contain an installation certification issued in accordance with the applicable national regulations before the aircraft may be flown.					

1. Approving Civil Aviation Authority/Country Transport Canada		2. AUTHORIZED RELEASE CERTIFICATE FORM ONE			3. Form Tracking No. 2017-0346
4. Organization Name and Address AERO Design Ltd. – 9888A Malaspina Road, Powell River, BC, V8A 0G3					5. Work Order/Contract/Invoice WO 2017-93
6. Item 1.	7. Description Forward Fitting	8. Part Number 49311-01	9. Qty. 15	10. Serial/Batch No. N/A	11. Status/Work New
12. Remarks					
13a. Certifies that the items identified above were manufactured in conformity to: <input checked="" type="checkbox"/> Approved design data and are in condition for safe operation. <input type="checkbox"/> Non approved design data specified in block 12.			14a. <input type="checkbox"/> CAR 571.10 Maintenance Release <input type="checkbox"/> Other regulation specified in block 12 Certifies that unless otherwise specified in block 12, the work identified in block 11 and described in block 12, has been performed in compliance with the Canadian Aviation Regulations.		
13b. Signature  AD 73-04 02		13c. Approved Organization Number AMF 73-04		14b. Signature	
13d. Name Jeff Clarke - AD02		13e. Date (dd/mm/yyyy) 14 Sep 2017		14c. Approved Organization Number	
				14d. Name	
				14e. Date (dd/mm/yyyy)	
<p align="center">Installer Responsibilities</p> <p>This certificate does not constitute authority to install.</p> <p>Installers working in accordance with the national regulations of a country other than that specified in block 1 must ensure that their regulations recognize certifications from the country specified.</p> <p>Statements in blocks 13a or 14a do not constitute installation certification. In all cases, the technical record for the aircraft must contain an installation certification issued in accordance with the applicable national regulations before the aircraft may be flown.</p>					

Aero Design

Parts Distribution Sheet

6 sets

Description: Bell 206L Fittings

WO#

[illegible]

Description: Bell 407 FittingsWO#

Approved Manufacturing Facility 73-04

Form 20.F.06

Rev. Original 27 May 2013

1. Approving Civil Aviation Authority/Country Transport Canada		2. AUTHORIZED RELEASE CERTIFICATE FORM ONE			3. Form Tracking No. 2017-0333
4. Organization Name and Address AERO Design Ltd. – 9888A Malaspina Road, Powell River, BC, V8A 0G3					5. Work Order/Contract/Invoice WO 2017-93
6. Item 1.	7. Description Forward Fitting	8. Part Number 49311-01	9. Qty. 2	10. Serial/Batch No. N/A	11. Status/Work New
12. Remarks					
13a. Certifies that the items identified above were manufactured in conformity to: <input checked="" type="checkbox"/> Approved design data and are in condition for safe operation. <input type="checkbox"/> Non approved design data specified in block 12.			14a. <input type="checkbox"/> CAR 571.10 Maintenance Release <input type="checkbox"/> Other regulation specified in block 12 Certifies that unless otherwise specified in block 12, the work identified in block 11 and described in block 12, has been performed in compliance with the Canadian Aviation Regulations.		
13b. Signature  73-04 02		13c. Approved Organization Number AMF 73-04		14b. Signature	
13d. Name Jeff Clarke - AD02		13e. Date (dd/mmm/yyyy) 07 Sep 2017		14c. Approved Organization Number	
				14d. Name	
				14e. Date (dd/mmm/yyyy)	
<p align="center">Installer Responsibilities</p> <p>This certificate does not constitute authority to install.</p> <p>Installers working in accordance with the national regulations of a country other than that specified in block 1 must ensure that their regulations recognize certifications from the country specified.</p> <p>Statements in blocks 13a or 14a do not constitute installation certification. In all cases, the technical record for the aircraft must contain an installation certification issued in accordance with the applicable national regulations before the aircraft may be flown.</p>					

HELI TACTICA S.A.



WO# _____

Approved Manufacturing Facility 73-04

Form 20.F.06

Rev. Original 27 May 2013

1. Approving Civil Aviation Authority/Country Transport Canada		2. AUTHORIZED RELEASE CERTIFICATE FORM ONE			3. Form Tracking No. 2017-0320
4. Organization Name and Address AERO Design Ltd. – 9888A Malaspina Road, Powell River, BC, V8A 0G3					5. Work Order/Contract/Invoice WO 2017-93
6. Item 1.	7. Description Forward Fitting	8. Part Number 60621-01	9. Qty. 2	10. Serial/Batch No. N/A	11. Status/Work New
12. Remarks Primer only					
13a. Certifies that the items identified above were manufactured in conformity to: <input checked="" type="checkbox"/> Approved design data and are in condition for safe operation. <input type="checkbox"/> Non approved design data specified in block 12.			14a. <input type="checkbox"/> CAR 571.10 Maintenance Release <input type="checkbox"/> Other regulation specified in block 12 Certifies that unless otherwise specified in block 12, the work identified in block 11 and described in block 12, has been performed in compliance with the Canadian Aviation Regulations.		
13b. Signature <i>Jeff Clarke</i> AD 73-04 02		13c. Approved Organization Number AMF 73-04		14b. Signature 14c. Approved Organization Number	
13d. Name Jeff Clarke - AD02		13e. Date (dd/mmm/yyyy) 17 Aug 2017		14d. Name 14e. Date (dd/mmm/yyyy)	
<p align="center">Installer Responsibilities</p> <p>This certificate does not constitute authority to install.</p> <p>Installers working in accordance with the national regulations of a country other than that specified in block 1 must ensure that their regulations recognize certifications from the country specified.</p> <p>Statements in blocks 13a or 14a do not constitute installation certification. In all cases, the technical record for the aircraft must contain an installation certification issued in accordance with the applicable national regulations before the aircraft may be flown.</p>					

CARRIER LUMBER



WO#

Approved Manufacturing Facility 73-04

Form 20.F.06

Rev. Original 27 May 2013

Description: Bell 407 Fittings[illegible]